CLAIMS

What is Claimed is:

1. A broadcast system, said broadcast system comprising:

a server-end means for scheduling, gathering and transmitting an entire digital database content of at least one type of digital information service, said server-end means having means for encoding said full-digital data content for being broadcasted; and

a client-end means for decoding and receiving the broadcasted full-digital database content and providing the full informational content of said at least one type of digital information services.

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2. A broadcast system as described in claim 1, wherein:

said server-end means further comprises communication means for facilitating transmission of said entire digital database content via IP-Multicast, RS422, RS232, and TCP/IP type of communications links for further broadcasting via conduits selected from a group of conduits that comprise television VBI, radio subcarrier, satellite (DSS,DVB), MPEG-2, paging networks, telephone networks, local area networks, and the Internet.

3. A broadcast system as described in claim 1, wherein:

said means for encoding comprises a packet construction means for breaking up an original digital file into smaller digital file pieces and transmits said smaller digital file pieces as a stream of packets; and

wherein said client-end means comprises broadcast data receiving means for re-assembling said stream of packets into said original file.

4. A broadcast system as described in claim 1, wherein:

said server-end means further comprises means for retrieving and storing an entire digital informational content of a selected electronic network site.

5. A broadcast system as described in claim 1, wherein:

said server-end means further comprises a means for providing a program guide of services for use by a user, said program guide facilitating means for selecting which

services to receive, means for viewing the schedule of incoming services, and means for reviewing a catalog of what services have been received, said program guide means further providing a rotating information banner.

6. A contents-based digital data broadcast system, said system comprising:

a first server-end application program means for retrieving a first type of digital information, and storing a entire contents of said digital information locally;

a first server-end application module means for encoding, transmitting scheduled services including said entire contents of said digital information, said first application module comprising means for supporting IP-Multicast, RS422, RS232, and TCP/IP communications and means for broadcasting said encoded entire contents of said digital information via conduits that comprise television, VBI, radio subcarrier, satellite (DSS,DVB), MPEG-2, paging networks, telephone networks, local area networks, and the Internet;

a second server-end application module means for scheduling tasks for external modules; facilitating centralized organization of tasks and services provided to a client;

a second server-end application program means for issuing and responding to remote commands and reporting on a status of a task to remote modules;

a first client-end application program means for decoding and receiving the full content of said broadcasted encoded digital information; and

a second client end application program guide means for facilitating selection of which service to receive, viewing a schedule of incoming services, and review of a catalog of what services have been received, said program guide means further providing a rotating information banner.

7. A method for wirelessly transmitting digital information with existing audio/video broadcasts, said method comprising the steps of:

(a) providing a server-end means for scheduling, gathering and transmitting an entire digital database content of at least one type of digital information service, said server-end means having means for encoding said full-digital data content for being broadcasted;

providing a client-end means for decoding and receiving the broadcasted full-digital database content and providing the full informational content of said at least one type of digital information services; and

wirelessly transmitting said full digital database content at said client-end means for being manipulated and being used by a subscriber of said digital information services.

8. A method for wirelessly transmitting digital information, as described in claim 7, wherein said means for encoding comprises breaking down files into at least one packet of digital information:

(a) allocating memory in a data storage unit member of said server-end means;

(b) reading data contents of a file;

(c) compressing the read file data;

(d) encrypting the compressed data;

(e) framing the encrypted packet; and

(f) adding an end of packet (EOP) indication to said at least one packet.

9. A method for wirelessly transmitting digital information, as described in claim 8, wherein said method further comprises the steps of:

(g) wrapping said packet with additional information selected from wrapping options comprising a Wrap to NABTS (creates the forward error correction (FEC) bundles, fec rows and header), a Wrap to Null (no wrapper), and a Wrap to JPT (JetStream Packet Transport which are portions of a complete jetstream packet, and adds headers); and

(h) destroying an encoded packet after being wirelessly transmitted, said encoded packet being destroyed for purposes of freeing-up memory in the storage unit member.

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